Claims

1. A disk drive with ejecting function comprising:

    a housing;

    a tray selectively received inside said housing, said tray including a track having a first end and a second end;

    a chassis disposed inside said housing;

    a cam rack slidably disposed on said chassis;

    a first shaft disposed on said cam rack and engaging with said track, said first shaft moving from said first end of said track to said second end when said tray is ejected from said housing;

    a second shaft disposed on said cam rack; and

    a curved bar slidably disposed on said chassis, said curved bar touching against said second shaft;

    wherein, when said curved bar is actuated in a direction parallel to a moving direction of said tray, said curved bar drives said second shaft in order to make said cam rack move in a direction perpendicular to said moving direction of said tray, said first shaft moves from said first end of said track to said second end, and said tray is ejected from said housing.

2. The disk drive of Claim 1, further comprising a base for restricting a movement of said curved bar.

3. The disk drive of Claim 1, wherein said second shaft is a cuboid, and said curved bar touches against a surface of said cuboid.

4. A disk drive with ejecting function comprising:

    a housing;

    a tray selectively received inside said housing, said tray including a track

having a first end and a second end;

a chassis disposed inside said housing;

a cam rack slidably disposed on said chassis;

a first shaft disposed on said cam rack and engaging with said track, said first shaft moving from said first end of said track to said second end when said tray is ejected from said housing;

a second shaft disposed on said cam rack; and

a block slidably disposed on said chassis, a surface of said block touching against said second shaft, an angle forming between said surface and a moving direction of said tray being less than 90 degrees;

wherein, when said block is actuated in a direction parallel to said moving direction of said tray, said block pushes said second shaft in order to make said cam rack move in a direction perpendicular to said moving direction of said tray, said first shaft moves from said first end of said track to said second end, and said tray is ejected from said housing.

5. The disk drive of Claim 4, wherein said block is a triangular block.

6. The disk drive of Claim 4, wherein said second shaft is a cuboid, and an angled surface of said block touches against a surface of said cuboid.